

**MOLECULAR AND BIOCHEMICAL CHARACTERIZATION OF  
MERCURY TOLERANT BACTERIA FROM VARIOUS REGIONS  
IN AND AROUND DARJEELING**

Thesis Submitted to the University of North Bengal  
For the Award of

**Doctor of Philosophy**

in

**Tea Science**

By

**Sukanya Acharyya**

Supervisor

**Dr. Malay Bhattacharya**

Department of Tea Science  
UNIVERSITY OF NORTH BENGAL  
February, 2024